

Degree: BS Biological Sciences (Physiology concentration) - AY2025-26				
Requirement Area	Course	Course Title	Prerequisites	Units
<b>First Semester (FALL)</b>				
GE elective	BIOL 130	Connecting to Biology		2
1C		Oral Communication		3
1A	ENGL 102	English composition		3
2/LD major	MATH 130	Calculus I		4
LD major	PHYS 125	Principles of Physics I		4
			<b>Total:</b>	16
<b>Second Semester (SPRING)</b>				
5B/LD major	BIOL 140A	Principles of Cell & Mol. Biology		5
LD major	PHYS 126	Principles of Physics II	PHYS 125	4
1B/2nd comp	BIOL 200	Critical Thinking and Composition		3
3A		Arts		3
			<b>Total:</b>	15
<b>Third Semester (FALL)</b>				
5A/LD major	CHEM 111	General Chemistry I		3
5C/LD major	CHEM 111L	General Chemistry I Lab		2
LD major	BIOL 140B	Principles of Organismal Biol.		5
4/Code 1		Social and Behavioral Sciences and		3
6/Social Justice		Ethnic Studies		3
			<b>Total:</b>	16
<b>Fourth Semester (SPRING)</b>				
LD major	CHEM 112	General Chemistry II	CHEM 111 and	3
LD major	CHEM 112L	General Chemistry II Lab	CHEM 111 and CHEM 111L	2
3B		Humanities		3
GE/Sustainability		Elective (student choice)		3
4/Code 2		Social and Behavioral Sciences and U.S. Code (US 1,3)		3
			<b>Total:</b>	14
<b>Fifth Semester (FALL)</b>				
UD major	CHEM 230	Survey of Organic Chemistry	CHEM 112 and CHEM 112L	5
UD major	BIOL 370	Animal Physiology	BIOL 140B, CHEM 112 and CHEM 112L	4
UD major	BIOL 310	Genetic Analysis I	BIOL 140B	4
UD major	STAT 303	Statistics for Biology	Completion of 2	3
			<b>Total:</b>	16
<b>Sixth Semester (SPRING)</b>				
UD major	BIOL 340	Survey of Biochemistry	CHEM 230 or	3
UD major	BIOL 350	Ecology	STAT 303 and BIOL 140B or ENSC 241	4
UD major	BIOL 320	Evolutionary Biology	BIOL 310	3
UWR	BIOL 300W	University Writing Requirement		3
UD3		UD Arts OR Humanities	Completion of 1A, 1B, 1C and 2	3
			<b>Total:</b>	16
<b>Seventh Semester (FALL)</b>				
Major/Capstone	BIOL 488	Environmental Physiology	BIOL 370	4
UD4		UD Social and Behavioral Sciences	Completion of 1A, 1B, 1C and 2	3
GE elective/Diversity Overlay		Student choice		3
Elective		Elective (student-advisor choice)		3
Elective		Elective (student-advisor choice)		2
			<b>Total:</b>	15
<b>Eighth Semester (SPRING)</b>				
Elective		Elective (student-advisor choice)		3
UD5		UD Physical or Biological Science	Completion of 1A, 1B, 1C and 2	3
Elective		Elective (student-advisor choice)		3
Elective		Elective (student-advisor choice)		3
			<b>Total:</b>	12
<b>Total Units:</b>				120

Note: All courses counting towards the major need to be completed with a C- or better.

Note: No changes to, or from, the credit/no credit pattern are permitted after the Grade Type Change period. There are no exceptions to this rule. Courses in a student's major department, regardless of course prefix, may not be taken "CR/NC," unless that is the only grading pattern in the course.

CSUEB General Breadth and Graduation Requirement Checklist	
<b>Area 1 (9 units): Communication in the English Language &amp; Critical Thinking</b>	
<input type="checkbox"/> 1A. Lower-Division English Composition	
<input type="checkbox"/> 1B. Lower-Division Critical Thinking	
<input type="checkbox"/> 1C. Lower-Division Oral Communication	
<b>Area 2 (3 units): Mathematical Concepts and Quantitative Reasoning</b>	
<input type="checkbox"/> Area 2. Lower-Division Mathematical Concepts and Quantitative	
<b>Area 3 (6 units): Arts &amp; Humanities - Minimum of two different disciplines</b>	
<input type="checkbox"/> 3A. Lower-Division Arts	
<input type="checkbox"/> 3B. Lower-Division Humanities	
<b>Area 4 (6 units): Social Sciences and Behavioral - Minimum of two different</b>	
<input type="checkbox"/> Area 4. Lower-Division Social and Behavioral Sciences	
<input type="checkbox"/> Area 4. Lower-Division Social and Behavioral Sciences	
<b>Area 5: Physical and Biological Sciences</b>	
<input type="checkbox"/> 5A. Lower-Division Physical Sciences	
<input type="checkbox"/> 5B. Lower-Division Biological Sciences	
<input type="checkbox"/> 5C. Laboratory Activity (may be part of 5A or 5B course, as long as 7 units	
<b>Area 6 (3 units): Ethnic Studies</b>	
<input type="checkbox"/> Area 6. Lower-Division Ethnic Studies	
<b>Second Composition: Requires completion of GE 1A with a C-/CR or better.</b>	
<input type="checkbox"/> Second Composition (Required as part of 1B for 2025-26 or later catalog)	
<b>U.S. Code (American Institutions Requirement) - Two courses (6 units)</b>	
<input type="checkbox"/> Code 1.	
<input type="checkbox"/> Code 2.	
<b>Upper Division GE Requirements (9 units): Should be taken after completion of Areas 1 &amp; 2 with a C- (CR)</b>	
<input type="checkbox"/> GE-UD-3: Upper-division Arts or Humanities (3 units)	
<input type="checkbox"/> GE-UD-4: Upper-division Social and Behavioral Sciences (3 units)	
<input type="checkbox"/> GE-UD-5 Upper-division Science or Mathematical Concepts/Quantitative Reasoning (3 units)	
<b>Overlay Requirements (9 units): Courses may be upper or lower division,</b>	
<input type="checkbox"/> Diversity (Div)	
<input type="checkbox"/> Social Justice (SJ)	
<input type="checkbox"/> Sustainability (S)	